

9/19/2008

Product: Flumioxazin Technical

Active Ingredient: Flumioxazin

Form Approved OMB No. 2070-0060

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**  
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**DATA MATRIX**

Date	9/19/2008	EPA Reg No./File Symbol	59639-97	Page 1 of 44	
Applicant's/Registrant's Name & Address	Valent U.S.A. Corporation 1333 North California Blvd., Suite 600 Walnut Creek, CA 94596	Product	Flumioxazin Technical		
Ingredient: Flumioxazin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
	Drift from Applications with Ground Hydraulic Sprayers: Integration and Summary of 1992 and 1993 Field Studies	43508001	Spray Drift Task Force		
	Drift from Orchard Airblast Applications: Integration and Summary of 1993 and 1994 Field Trials	43925701	Spray Drift Task Force		
	Measurement Techniques for Atomization Droplet Size Spectra Using Particle Size Analyzers in Wind Tunnels	43485603	Spray Drift Task Force		
	Spray Drift Task Force: Collaborative Evaluation of SDTF Methods AM-003: AM-004 and AM-007 for the Determination of Diazinon, Malathion and Carbaryl on Alpha-cellulose Polyurethane Foam Plugs and Polyester String	43485604	Spray Drift Task Force		

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**DATA MATRIX**

Date	9/19/2008	EPA Reg No./File Symbol	59639-97	Page	2 of 44
Applicant's/Registrant's Name & Address	Valent U.S.A. Corporation 1333 North California Blvd., Suite 600 Walnut Creek, CA 94596	Product	Flumioxazin Technical		

Ingredient: Flumioxazin

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
NONE	Flumioxazin - Summary of Data and Tolerance Petition Supporting Use on Fruit, Pome, Crop Group 11 and Fruit, Stone, Crop Group 12 Amendment to Registration of Valor Herbicide and Chateau WDG Herbicide to Add Pome Fruit and Stone Fruit to the Labels	46229401	Valent U.S.A. Corporation		
NONE	Supplemental Information: Statutory Findings and Information Summaries to Comply with The Food Quality Protection Act of 1996 In Support of Registration and Tolerances on Pome Fruit and Stone Fruit	46229402	Valent U.S.A. Corporation		
61-1	Product Identity and Disclosure of Ingredients for the Technical S-53482	42684901	Valent U.S.A. Corporation		
61-1	S-53482 WP Herbicide Product Identity and Disclosure of Ingredients.	42684904	Valent U.S.A. Corporation		
61-2	S-53482 WP Herbicide Description of Beginning Materials and Manufacturing Process	42684904	Valent U.S.A. Corporation		

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## DATA MATRIX

Date	9/19/2008	EPA Reg No./File Symbol	59639-97	Page	3 of 44
Applicant's/Registrant's Name & Address	Valent U.S.A. Corporation 1333 North California Blvd., Suite 600 Walnut Creek, CA 94596	Product	Flumioxazin Technical		
Ingredient: Flumioxazin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
61-2(a)	Description of Beginning Materials and Manufacturing Process for the Technical S-53482 and The Description of Formation of Impurities	42684901	Valent U.S.A. Corporation		
61-3	S-53482 WP Herbicide Discussion of the Formation of Impurities	42684904	Valent U.S.A. Corporation		
830.1650	Description of Formulation Process for VALOR WDG	44963701	Valent U.S.A. Corporation		
62-1 62-2	Preliminary Analysis of Product Samples of Flumioxazin (S-53482) Technical Grade -- Revised MRID #42684902 Certification of Ingredient Limits of Flumioxazin (S-53482) Technical Grade -- Revised MRID #42684902	44295001	Valent U.S.A. Corporation		
62-1	Preliminary Analysis of Product Samples of S-53482 Technical Grade	42684902	Valent U.S.A. Corporation		
62-2	Certification of Ingredient Limits of S-53482 Technical Grade	42684902	Valent U.S.A. Corporation		
62-3	Analytical Method for the Determination of S-53482 in S-53482 50 WP	42684904	Valent U.S.A. Corporation		
62-3	Analytical Methods to Verify Certified Limits of S-53482 Technical Grade	42684902	Valent U.S.A. Corporation		

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Date		9/19/2008		EPA Reg No./File Symbol	59639-97	Page 4 of 44	
Applicant's/Registrant's Name & Address				Valent U.S.A. Corporation			
				Product			
1333 North California Blvd., Suite 600 Walnut Creek, CA 94596				Flumioxazin Technical			
Ingredient: Flumioxazin							
Guideline Reference Number		Guideline Study Name		MRID Number	Submitter	Status	Note
63-02		Determination of Physical Properties of V-53482 50 WP.		42684904	Valent U.S.A. Corporation		
63-02		Physical and Chemical Characteristics of V-53482 Technical		42684903	Valent U.S.A. Corporation		
63-02		S-53482 50WDG Determination of Color Odor and Physical State.		42684904	Valent U.S.A. Corporation		
63-03		Determination of Physical Properties of V-53482 50 WP.		42684904	Valent U.S.A. Corporation		
63-03		Physical State Determination of S-53482.		42684903	Valent U.S.A. Corporation		
63-03		S-53482 50WDG Determination of Color Odor and Physical State.		42684904	Valent U.S.A. Corporation		
63-04		Determination of Physical Properties of V-53482 50 WP.		42684904	Valent U.S.A. Corporation		
63-04		Odor Determination of S-53482.		42684903	Valent U.S.A. Corporation		
63-04		S-53482 50WDG Determination of Color Odor and Physical State.		42684904	Valent U.S.A. Corporation		
63-05		Melting Point/Melting Range Determination of S-53482.		42684903	Valent U.S.A. Corporation		
63-07		Density Determination of S-53482.		42684903	Valent U.S.A. Corporation		
63-07		Determination of Physical Properties of V-53482 50 WP.		42684904	Valent U.S.A. Corporation		

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Date	9/19/2008	EPA Reg No./File Symbol	59639-97	Page	5 of 44
Applicant's/Registrant's Name & Address	Valent U.S.A. Corporation 1333 North California Blvd., Suite 600 Walnut Creek, CA 94596	Product	Flumioxazin Technical		
Ingredient: Flumioxazin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
63-07	S-53482 50WDG Determination of Bulk Density.	42684904	Valent U.S.A. Corporation		
63-08	Organic Solvent Solubility Determination of S-53482.	42684903	Valent U.S.A. Corporation		
63-08	Water Solubility of S-53482.	42684903	Valent U.S.A. Corporation		
63-08	Water Solubility of S-53482.		Valent U.S.A. Corporation		
63-09	Vapor Pressure Determination of S-53482.	42684903	Valent U.S.A. Corporation		
63-10	Preliminary Test for the Determination of Dissociation Constant of S- 53482.	42684903	Valent U.S.A. Corporation		
63-11	Partition Coefficient of S-53482.	42684903	Valent U.S.A. Corporation		
63-12	Determination of Physical Properties of V-53482 50 WP.	42684904	Valent U.S.A. Corporation		
63-12	pH of S-53482 50 WDG.	42684904	Valent U.S.A. Corporation		
63-12	pH Value Determination of S-53482.	42684903	Valent U.S.A. Corporation		
63-13	Stability of S-53482 Technical Grade	42684903	Valent U.S.A. Corporation		
63-14	Physical and Chemical Characteristics of V-53482 Technical OXIDATION AND REDUCTION POTENTIAL WAIVER REQUEST.	42684903	Valent U.S.A. Corporation		
63-14	S-53482 (50WDG) Determination of Oxidation Reduction.	42684904	Valent U.S.A. Corporation		

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Date	9/19/2008	EPA Reg No./File Symbol	59639-97	Page	6 of 44
Applicant's/Registrant's Name & Address	Valent U.S.A. Corporation 1333 North California Blvd., Suite 600 Walnut Creek, CA 94596	Product	Flumioxazin Technical		
Ingredient: Flumioxazin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
63-16	S-53482 50WDG Determination of Impact Explodability.	42684904	Valent U.S.A. Corporation		
63-16	S-53482 - Determination of Impact Explodability.	42684903	Valent U.S.A. Corporation		
63-17	Determination of Chemical Storage Stability of V 53482 WDG Herbicide	44295002	Valent U.S.A. Corporation		
63-17	Determination of Chemical Storage Stability of V 53482 WP Herbicide	44295003	Valent U.S.A. Corporation		
63-17	Storage Stability of S-53482 50 WDG at Ambient Temperature for One Year.	42684904	Valent U.S.A. Corporation		
63-17	Storage Stability of S-53482 Technical Grade at Ambient Temperature for One Year.	42684903	Valent U.S.A. Corporation		
63-20	Corrosion Characteristics of S-53482 50 WDG.	42684904	Valent U.S.A. Corporation		
63-20	Corrosion Characteristics of S-53482 Technical Grade	42684903	Valent U.S.A. Corporation		
70-1-SS	Federal Endangered Species Task Force (FESTF) Information Management System (IMS): Beta-Tested IMS 2.0 and Access to NatureServe Data – Final Report	46486301	FIFRA Endangered Species Task Force (FESTF)		

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Date9/19/2008		EPA Reg No./File Symbol59639-97	Page 7 of 44		
Applicant's/Registrant's Name & AddressValent U.S.A. Corporation 1333 North California Blvd., Suite 600 Walnut Creek, CA 94596		Product Flumioxazin Technical			
Ingredient: Flumioxazin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
70-1-SS	The FIFRA Endangered Species Task Force Information Management System (IMS): Documentation of Structure and Function of IMS 1.1	46325901	The FIFRA Endangered Species Task Force		
71-1	An Acute Oral Toxicity Study with the Bobwhite.	42684945	Valent U.S.A. Corporation		
71-2	V-53482: A Dietary LC50 Study with the Mallard.	42684946	Valent U.S.A. Corporation		
71-2	V-53482: A Dietary LC50 Study with the Northern Bobwhite.	42684947	Valent U.S.A. Corporation		
71-4	V-53482: A One-Generation Reproduction Study with the Bobwhite (Colinus virginianus).	44295006	Valent U.S.A. Corporation		
71-4	V-53482: A One Generation Reproduction Study with the Mallard (Anas platyrhynchos)	44295005	Valent U.S.A. Corporation		
71-4	V-53482: A Pilot Reproduction Study with the Bobwhite (Colinus virginiaus)		Valent U.S.A. Corporation		
71-4	V-53482: A Pilot Reproduction Study with the Mallard (Anas Platyrhynchos)		Valent U.S.A. Corporation		
72-1	The Acute Toxicity of S-53482 to Bluegill (Lepomis macrochirus).	42684949	Valent U.S.A. Corporation		

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Date		9/19/2008		EPA Reg No./File Symbol	59639-97	Page 8 of 44
Applicant's/Registrant's Name & Address				Valent U.S.A. Corporation		
				1333 North California Blvd., Suite 600 Walnut Creek, CA 94596		
Product				Flumioxazin Technical		
Ingredient: Flumioxazin						
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note	
72-1	The Acute Toxicity of S-53482 to Rainbow Trout (Salmo gairdneri).	42684948	Valent U.S.A. Corporation			
72-1	EEC's for FLUMIOXAZIN Predicted in Pond Water Using the PRZM and EXAMS Computer Models.	42884001	Valent U.S.A. Corporation			
72-1	EEC's for Flumioxazin in Pond Water Using the PRZM and EXAMS Computer Models MRID 42884001 (Amended Report 1)	42985501	Valent U.S.A. Corporation			
72-1	Toxicity of S-53482 T.G. to Rainbow Trout (Oncorhynchus mykiss) After 21 Days of Exposure Under Flow-Through Conditions	44295007	Valent U.S.A. Corporation			
72-2	A 48-Hour Flow-Through Acute Toxicity Test with the Cladoceran (Daphnia magna) MRID No. 42884950 Response to EPA Review.	43066501	Valent U.S.A. Corporation			
72-2	EEC's for FLUMIOXAZIN Predicted in Pond Water Using the PRZM and EXAMS Computer Models	42884001	Valent U.S.A. Corporation			
72-2	S-53482: A 48-Hour Flow-Through Acute Toxicity Test With the Cladoceran (Daphnia magna).	42684950	Valent U.S.A. Corporation			



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Date		9/19/2008		EPA Reg No./File Symbol		59639-97		Page 9 of 44		
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				1333 North California Blvd., Suite 600 Walnut Creek, CA 94596		Flumioxazin Technical				
Ingredient: Flumioxazin										
Guideline Reference Number		Guideline Study Name			MRID Number		Submitter		Status	Note
72-3		EEC's for FLUMIOXAZIN Predicted in Pond Water Using the PRZM and EXAMX Computer Models.			42884001		Valent U.S.A. Corporation			
72-3		V-53482 Technical - Acute Toxicity to Eastern Oyster (Crassostrea virginica) Under Flow-Through Conditions.			44295008		Valent U.S.A. Corporation			
72-3		V-53482 Technical - Acute Toxicity to Mysid Shrimp (Mysidopsis bahia) Under Flow-Through Conditions			44295009		Valent U.S.A. Corporation			
72-3		V-53482 Technical - Acute Toxicity To Mysid Shrimp (Mysidopsis bahia) Under Flow-Through Conditions			44295009		Valent U.S.A. Corporation			
72-3		V-53482 Technical - Acute Toxicity To Sheephead Minnow (Cyprinodon variegatus) Under Flow-through Conditions			44295010		Valent U.S.A. Corporation			
72-3		V-53482 Technical - Acute Toxicity to Sheepshead Minnow (Cyprinodon variegatus) Under Flow-Through Conditions.			44295010		Valent U.S.A. Corporation			
72-4		14C-S-53482: A Flow-Through Life Cycle Toxicity Test With The Cladoceran (Daphnia magna)			44295011		Valent U.S.A. Corporation			

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Date9/19/2008		EPA Reg No./File Symbol59639-97		Page 10 of 44	
Applicant's/Registrant's Name & AddressValent U.S.A. Corporation 1333 North California Blvd., Suite 600 Walnut Creek, CA 94596		Product Flumioxazin Technical			
Ingredient: Flumioxazin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
72-4	Early Life-Stage Toxicity Test of S-53482 with Rainbow Trout (Oncorhynchus mykiss)	44295012	Valent U.S.A. Corporation		
72-4	A Summary of Flumioxazin (V-53482) Fish Toxicity Data and Risk Assessment		Valent U.S.A. Corporation		
72-4	V-53482 TGAI (Flumioxazin) - The Chronic Toxicity To Mysids (Mysidopsis bahia) Under Flow-Through Conditions	44295013	Valent U.S.A. Corporation		
72-5	Data Waiver Request for Fish Life-Cycle		Valent U.S.A. Corporation		
81-1	Acute Oral Toxicity Study of S-53482 in Mice.		Valent U.S.A. Corporation		
81-1	Acute Oral Toxicity Study of S-53482 in Rats.	42684911	Valent U.S.A. Corporation		
81-1	Acute Oral Toxicity to Rats of V-53482 50 WDG.	42684912	Valent U.S.A. Corporation		
81-2	Acute Dermal Toxicity Study of S-53482 in Rats.	42684913	Valent U.S.A. Corporation		
81-2	Acute Dermal Toxicity to Rats of V-53482 50 WDG.	42684914	Valent U.S.A. Corporation		
81-3	Acute Inhalation Toxicity Study of S-53482 in Rats.	42684915	Valent U.S.A. Corporation		

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Date		9/19/2008		EPA Reg No./File Symbol	59639-97	Page 11 of 44
Applicant's/Registrant's Name & Address				Valent U.S.A. Corporation		
				Product		
1333 North California Blvd., Suite 600 Walnut Creek, CA 94596				Flumioxazin Technical		
Ingredient: Flumioxazin						
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note	
81-3	Addendum to "Acute Inhalation Toxicity Study of S-53482 in Rats" MRID #42684915	43935501	Valent U.S.A. Corporation			
81-3	V-53482 50 WDG Acute Inhalation Toxicity in Rats 4-Hour Exposure. 3/10/92.	42684916	Valent U.S.A. Corporation			
81-3	V-53482 50 WDG: Acute Inhalation Toxicity in Rats 4-Hour Exposure.	42884002	Valent U.S.A. Corporation			
81-3	Valent USA's Response to EPA's Requirement for Dust/Mist Filter Respirator on the Label for V-53482 WP Herbicide	44295015	Valent U.S.A. Corporation			
81-4	Eye Irritation to the Rabbit of V-53482 50WDG.	42684918	Valent U.S.A. Corporation			
81-4	Primary Eye and Skin Irritation Tests with S-53482 in Rabbits.	42684917	Valent U.S.A. Corporation			
81-5	Skin Irritation to the Rabbit of V-53482 50WDG.	42684919	Valent U.S.A. Corporation			
81-6	Skin Sensitisation in the Guinea-Pig of V-53482 50WDG.	42684920	Valent U.S.A. Corporation			
81-6	Skin Sensitization Test with S-53482 in Guinea Pigs.		Valent U.S.A. Corporation			
81-6	Skin Sensitization Test with S-53482 in Guinea Pigs (Maximization Method).	42684921	Valent U.S.A. Corporation			

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Date9/19/2008		EPA Reg No./File Symbol59639-97	Page 12 of 44		
Applicant's/Registrant's Name & AddressValent U.S.A. Corporation 1333 North California Blvd., Suite 600 Walnut Creek, CA 94596		Product Flumioxazin Technical			
Ingredient: Flumioxazin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
870.1100 870.1200 870.1300 870.2400 870.2500 870.2600	Acute Toxicity Waiver Request for V-10070 38 WDG and V-10089 WDG		Valent U.S.A. Corporation		
82-1	13-week Subchronic Oral Toxicity Study of S-53482 Pure in Rats.	42684923	Valent U.S.A. Corporation		
82-1	Analytical Method for S-53482 in Rodent Diet.		Valent U.S.A. Corporation		
82-1	Four-week Subacute Toxicity Study of S-53482 by Dietary Administration in Mice	44307301	Valent U.S.A. Corporation		
82-1	Three-month Oral Toxicity Study of S-53482 in Dogs. (Amended on 1/11/93).	42684924	Valent U.S.A. Corporation		
82-1	Three-month Subacute Toxicity Study of S-53482 by Dietary Administration in Rats.	42684922	Valent U.S.A. Corporation		
82-1(a)	Revised 13-Week Subchronic Oral Toxicity Study of S-53482 Pure in Rats. MRID # 426849-23.	43935502	Valent U.S.A. Corporation		
82-1(a)	Stability test of S-53482 pure (SB-1855) in rodent diet MRID #42684923	43935504	Valent U.S.A. Corporation		

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**DATA MATRIX**

Date	9/19/2008	EPA Reg No./File Symbol	59639-97	Page 13 of 44	
Applicant's/Registrant's Name & Address	Valent U.S.A. Corporation 1333 North California Blvd., Suite 600 Walnut Creek, CA 94596	Product	Flumioxazin Technical		
Ingredient: Flumioxazin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
82-1(a)	Stability test of S53482 pure (SB-1855) in capsule MRID # 42684924	43935505	Valent U.S.A. Corporation		
82-2	21-Day Dermal Toxicity Study in Rats with S-53482 (Final Report)	44295016	Valent U.S.A. Corporation		
83-1	One year Oral Toxicity Study of S-53482 in Dogs		Valent U.S.A Corporation		
83-1(b)	One-year Oral Toxicity Study of S-53482 in Dogs (Amended Report)	44295017	Valent U.S.A. Corporation		
83-2	Oncogenicity Study of S-53482 By Dietary Administration in Mice.	44295018	Valent U.S.A. Corporation		
83-2	Range Finding Study for Rat Oncogenicity Study with S-53482.		Valent U.S.A. Corporation		
83-3	Amended Report: Placental Transfer of S-53482 in Rats and Rabbits.	42884007	Valent U.S.A. Corporation		
83-3	Critical Period for Developmental Toxicity Induced by S-53482 in Rats	42884006	Valent U.S.A. Corporation		
83-3	Discussion of the Developmental Toxicity in Rats Associated with Exposure to V-53482 Technical.	42684933	Valent U.S.A. Corporation		

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## DATA MATRIX

Date	9/19/2008	EPA Reg No./File Symbol	59639-97	Page 14 of 44	
Applicant's/Registrant's Name & Address	Valent U.S.A. Corporation 1333 North California Blvd., Suite 600 Walnut Creek, CA 94596	Product	Flumioxazin Technical		
Ingredient: Flumioxazin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
83-3	A Discussion of the Mechanistic Research Conducted on the Developmental Toxicity of V-53482 Technical	42884003	Valent U.S.A. Corporation		
83-3	Effects of S-53482, an N-phenylimide Herbicide, on Protoporphyrin IX Accumulation in Embryos I. Species Difference in Protoporphyrin IX Accumulation Between Rat and Rabbit Embryos	44295021	Valent U.S.A. Corporation		
83-3	Effects of S-53482, an N-phenylimide Herbicide, on Protoporphyrin IX Accumulation in Embryos II. Compound Difference in Protoporphyrin IX Accumulation in Rat Embryos	44295024	Valent U.S.A. Corporation		
83-3	Effects of S-53482, an N-phenylimide Herbicide, on Protoporphyrin IX Accumulation in Embryos III. Critical Period for Protoporphyrin IX Accumulation in Embryos	44295019	Valent U.S.A. Corporation		
83-3	Effects of SB Series Herbicides on Protoporphyrinogen Oxidase Activity in Rat and Rabbit Liver Mitochondria	44295022	Valent U.S.A. Corporation		

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## DATA MATRIX

Date	9/19/2008	EPA Reg No./File Symbol	59639-97	Page 15 of 44	
Applicant's/Registrant's Name & Address		Product			
Valent U.S.A. Corporation 1333 North California Blvd., Suite 600 Walnut Creek, CA 94596		Flumioxazin Technical			
Ingredient: Flumioxazin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
83-3	Histopathological Study of S-53482 Developmental Toxicity in Rat and Rabbit Embryos Following Oral Administration to Dams at 1000 mg/kg on Day 12 of Gestation	44295020	Valent U.S.A. Corporation		
83-3	Inhibition of Protoporphyrinogen Oxidase Activity by S-53482 in Rat, Rabbit and Human Liver	44295027	Valent U.S.A. Corporation		
83-3	Mechanism of Hematotoxicity of S-53482 by Dietary Administration in Rats	44295023	Valent U.S.A. Corporation		
83-3	Pathogenesis of Developmental Effects Produced by S-53482, an N-phenylimide Herbicide, in Rats	44295025	Valent U.S.A. Corporation		
83-3	The Percutaneous Absorption of [phenyl-14C]S-53482 in Female Rats and the Comparison of 14C-Blood Levels Between Dermal Application and Oral Application	42684932	Valent U.S.A. Corporation		
83-3	The Percutaneous Absorption of [phenyl-14C]S-53482 in Pregnant Rats.	42684931	Valent U.S.A. Corporation		
83-3	Placental Transfer of S-53482 in Rats and Mice.	44307302	Valent U.S.A. Corporation		

9/19/2008

Product: Flumioxazin Technical

Active Ingredient: Flumioxazin

Form Approved OMB No. 2070-0060

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## DATA MATRIX

Date	9/19/2008	EPA Reg No./File Symbol	59639-97	Page 16 of 44
Applicant's/Registrant's Name & Address	Valent U.S.A. Corporation 1333 North California Blvd., Suite 600 Walnut Creek, CA 94596	Product	Flumioxazin Technical	

Ingredient: Flumioxazin

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
83-3	Preliminary Teratology Study of SB-1297 SB-1335 or SB-1855 Administered Orally to Rats.	42684930	Valent U.S.A. Corporation		
83-3	Protoporphyrin Oxidase Activity in Rat and Rabbit Tissues: Inhibition by Three Test Chemicals	42884008	Valent U.S.A. Corporation		
83-3	Range-Finding Teratology Study in Rabbits with S-53482.	42684927	Valent U.S.A. Corporation		
83-3	Range-Finding Teratology Study of S-53482 Administered Dermal to Rats.	42684929	Valent U.S.A. Corporation		
83-3	Summary Report: Effects of N-Phenylimide Herbicide on Protoporphyrin IX Accumulation in Embryos	42884005	Valent U.S.A. Corporation		
83-3	Summary Report: Histopathological Study of S-53482 Developmental Toxicity in Rats and Rabbits: Effect of S-53482 Administered at 1000 mg/ kg on Day 12 of Gestation	42884004	Valent U.S.A. Corporation		
83-3	Teratology Study in Rabbits with S-53482.	42684928	Valent U.S.A. Corporation		
83-3	Teratology Study of S-53482 Administered Orally in Rats.	42684925	Valent U.S.A. Corporation		



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## DATA MATRIX

Date		9/19/2008		EPA Reg No./File Symbol	59639-97	Page 17 of 44
Applicant's/Registrant's Name & Address				Valent U.S.A. Corporation		
				1333 North California Blvd., Suite 600 Walnut Creek, CA 94596		
Product				Flumioxazin Technical		
Ingredient: Flumioxazin						
Guideline Reference Number		Guideline Study Name		MRID Number	Submitter	Status
83-3		Teratology Study of V-53482 Administered Dermally to Rats.		42684926	Valent U.S.A. Corporation	
83-3 (870.3700)		An Update of a Discussion of the Mechanistic Research Conducted on the Developmental Toxicity of V-53482 Technical		44295026	Valent U.S.A. Corporation	
83-3(a)		Addendum to "Teratology Study of S53482 Administered Dermally to Rats" MRID #42684926		43935507	Valent U.S.A. Corporation	
83-3(a)		Addendum to "Teratology Study of S53482 Administered Orally to Rats" MRID #42684925		43935508	Valent U.S.A. Corporation	
83-3(a)		Response to EPA's Selection of the Development NOELs for S53482 in Rats MRID # 42684925 and 42684926		43935506	Valent U.S.A. Corporation	
83-4		Dosage-Range Study of S-53482 Administered Orally in the Diet to CrI:CD BR VAF/Plus Rats (Pilot Study).		42684936	Valent U.S.A. Corporation	
83-4		Dosage-Range Study of S-53482 Administered Orally in the Diet to CrI: CD (SD)BR Rats (Pilot Study).		42684934	Valent U.S.A. Corporation	

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## DATA MATRIX

Date9/19/2008		EPA Reg No./File Symbol59639-97		Page 18 of 44	
Applicant's/Registrant's Name & AddressValent U.S.A. Corporation 1333 North California Blvd., Suite 600 Walnut Creek, CA 94596		Product Flumioxazin Technical			
Ingredient: Flumioxazin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
83-4	Reproductive Effects of S-53482 Administered Orally in Feed to CrI:CD BR VAF/Plus Rats.	42684935	Valent U.S.A. Corporation		
83-5	Combined Chronic Toxicity and Oncogenicity Study of S-53482 by Dietary Administration in Rats	44295028	Valent U.S.A. Corporation		
83-5	Combined Chronic Toxicity and Oncogenicity Study of S-53482 by Dietary Administration in Rats. (12-month interim report).	42684937	Valent U.S.A. Corporation		
84-2	In Vitro Chromosomal Aberration Test of S-53482. 8/19/88	42684939	Valent U.S.A. Corporation		
84-2	In vivo Chromosomal Aberration Test of S-53482 in Rat Bone Marrow Cells.	42684940	Valent U.S.A. Corporation		
84-2	Reverse Mutation Test of S-53482 in Salmonella typhimurium and Escherichia coli.	42684938	Valent U.S.A. Corporation		
84-4	In vivo/in vitro Unscheduled DNA Synthesis (UDS) Assay of S-53482 in Rat Hepatocytes.	42684941	Valent U.S.A. Corporation		
84-4	Micronucleus Test of S-23031 and S-53482. 8/19/88	42684942	Valent U.S.A. Corporation		
85-1	Metabolism of [Phenyl 14C]-S-53482 in Rats.	42684943	Valent U.S.A. Corporation		

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Date9/19/2008		EPA Reg No./File Symbol59639-97		Page 19 of 44	
Applicant's/Registrant's Name & AddressValent U.S.A. Corporation 1333 North California Blvd., Suite 600 Walnut Creek, CA 94596		Product Flumioxazin Technical			
Ingredient: Flumioxazin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
85-1	Revised Metabolism of [phenyl-14C]S-53482 in Rats	MRID #42684943	43935503	Valent U.S.A. Corporation	
NONE	Biliary Excretion of [14C]S-53482 in the Rat	45920701	Valent U.S.A. Corporation		
NONE	The Pharmacokinetics of [14C]S-53482 in the Rat		Valent U.S.A. Corporation		
NONE	Tissue Distribution of [14C]S-53482 in the Rat		Valent U.S.A. Corporation		
85-2	The Percutaneous Absorption of [14C]-S-53482 in Male Rats.	42684944	Valent U.S.A. Corporation		
NONE	Biliary Excretion of [14C]S-53482 in the Rat		Valent U.S.A. Corporation		
98-02, Section 9 98-02 2nd entry	Magnitude of the Residues of V-53482 50 WDG in Soybeans				
123-1	Tier II Seedling Emergence Nontarget Phytotoxicity Study Using Flumioxazin	44295029	Valent U.S.A. Corporation		
123-1	Tier II Vegetative Vigor Nontarget Phytotoxicity Study Using Flumioxazin	44295030	Valent U.S.A. Corporation		
123-2	V-53482 (Flumioxazin) - 5-Day toxicity to the Freshwater Blue-Green Alga (Anabaena flos-aquae)	44295034	Valent U.S.A. Corporation		
123-2	V-53482 (Flumioxazin) - Toxicity to the Duckweed (Lemna gibba)	44295035	Valent U.S.A. Corporation		

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Product: Flumioxazin Technical

Active Ingredient: Flumioxazin

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## DATA MATRIX

Date		9/19/2008		EPA Reg No./File Symbol	59639-97	Page 20 of 44	
Applicant's/Registrant's Name & Address				Valent U.S.A. Corporation			
				Product			
1333 North California Blvd., Suite 600 Walnut Creek, CA 94596				Flumioxazin Technical			
Ingredient: Flumioxazin							
Guideline Reference Number		Guideline Study Name		MRID Number	Submitter	Status	Note
123-2		V-53482 (Flumioxazin) - Toxicity to the Freshwater Diatom (Navicula pelliculosa)		44295032	Valent U.S.A. Corporation		
123-2		V-53482 (Flumioxazin) - Toxicity to the Freshwater Green Alga (Selenastrum capricornutum)		44295031	Valent U.S.A. Corporation		
123-2		V-53482 (Flumioxazin) - Toxicity to the Marine Diatom (Skeletonema costatum)		44295033	Valent U.S.A. Corporation		
875.2100 875.2200 875.2400 875.2500		Valor WDG Herbicide - Data Waiver Request for Post-Application Exposure Data (Foliar) Dissipation/Soil Dissipation/Dermal Exposure/Inhalation Exposure - Sugarcane			Valent U.S.A. Corporation		
141-1		An Acute Contact Toxicity Study with the Honey Bee.		42684951	Valent U.S.A. Corporation		
161-1		Hydrolysis of [Ph-14C] S-53482 in Buffered Aqueous Solutions.		42697501	Valent U.S.A. Corporation		
161-1		Hydrolysis of [THP-14C] S-53482 in Buffered Aqueous Solutions.		42684905	Valent U.S.A. Corporation		
161-2		Artificial Sunlight Photodegradation of [Phe-14C] S-53482 in a Buffered Aqueous Solution.		44295036	Valent U.S.A. Corporation		

9/19/2008

Product: Flumioxazin Technical

Active Ingredient: Flumioxazin

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## DATA MATRIX

Date	9/19/2008	EPA Reg No./File Symbol	59639-97	Page 21	of 44
Applicant's/Registrant's Name & Address	Valent U.S.A. Corporation 1333 North California Blvd., Suite 600 Walnut Creek, CA 94596	Product	Flumioxazin Technical		
Ingredient: Flumioxazin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
161-2	Artificial Sunlight Photodegradation of [THP-14C]-S-53482 in a Buffered Aqueous Solution.	44295037	Valent U.S.A. Corporation		
161-2	Photodegradation of [14C]Flumioxazin in Buffer	45914601	Valent U.S.A. Corporation		
161-3	Artificial Sunlight Photodegradation of [THP-14C]-S-53482 on Soil	44295039	Valent U.S.A. Corporation		
161-3	Artificial Sunlight Photodegradation of [Phe-14C]-S-53482 on Soil.	44295038	Valent U.S.A. Corporation		
162-1	Aerobic Soil Metabolism of 14C-S-53482.	42684906	Valent U.S.A. Corporation		
162-1	Aerobic Soil Metabolism of [THP-14C]-S-53482	42884009	Valent U.S.A. Corporation		
162-1	Half-Life of Flumioxazin in Four Soils Under Laboratory Conditions	44295040	Valent U.S.A. Corporation		
162-3	Anaerobic Aquatic Metabolism of [PH-14C] Flumioxazin and [THP-14C] Flumioxazin	45914602	Valent U.S.A. Corporation		
162-3	An Anaerobic Aquatic Soil Metabolism Study with [14C] S-53482 (Flumioxazin)	44295041	Valent U.S.A. Corporation		
163-1	Adsorption and Desorption of 1-OH-[1-Carboxyl-14C]-HPA-1 To Soil		Valent U.S.A. Corporation		

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**DATA MATRIX**

Date	9/19/2008	EPA Reg No./File Symbol	59639-97	Page 22 of 44
Applicant's/Registrant's Name & Address	Valent U.S.A. Corporation 1333 North California Blvd., Suite 600 Walnut Creek, CA 94596	Product	Flumioxazin Technical	
Ingredient: Flumioxazin				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status
163-1	Adsorption and Desorption of [Phenyl-14C]-APF in Soil	45309201	Valent USA Corporation	
163-1	Adsorption and Desorption of [Phenyl-14C]-APF To Soil		Valent U.S.A. Corporation	
163-1	Adsorption and Desorption of Tetrahydrophthalic Acid (THPA) to Soil		Valent U.S.A. Corporation	
163-1	Adsorption and Desorption of Tetrahydrophthalic Acid (THPA) to Soil	45309202	VALENT USA Corporation	
163-1	Column Leaching Characteristics of [Phe-14C]-V-53482 in Typical Agricultural Soils (Aged Soils).	42684909	Valent U.S.A. Corporation	
163-1	Column Leaching Characteristics of [Phe-14C]-V-53482 in Typical Agricultural Soils (Unaged Study).	42684907	Valent U.S.A. Corporation	
163-1	Column Leaching Characteristics of [Phe-14C]-V-53482 on Soil (Part 2)	42884010	Valent U.S.A. Corporation	
163-1	Column Leaching Characteristics of [THP-14C]-V-53482 in Typical Agricultural Soils (Unaged Soils).	42684908	Valent U.S.A. Corporation	
	Terrestrial Field Soil Dissipation of Flumioxazin on Bare Soil in Washington			

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**DATA MATRIX**

Date	9/19/2008	EPA Reg No./File Symbol	59639-97	Page 23 of 44	
Applicant's/Registrant's Name & Address	Valent U.S.A. Corporation 1333 North California Blvd., Suite 600 Walnut Creek, CA 94596	Product	Flumioxazin Technical		
Ingredient: Flumioxazin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
164-1	Environmental Fate Summary Addressing Potential Mobility Issues	44295048	Valent U.S.A. Corporation		
164-1	Field Dissipation Study with V-53482 WDG Herbicide in Iowa	44295046	Valent U.S.A. Corporation		
164-1	Field Dissipation Study with V-53482 WDG Herbicide in Mississippi	44295045	Valent U.S.A. Corporation		
164-1	Residue Analytical Method for S-53482 in Soil.		Valent U.S.A. Corporation		
164-1	Residue Analytical Method for S-53482 in Upland Soil.		Valent U.S.A. Corporation		
164-1	Soil Dissipation of [Phenyl-14C]Flumioxazin Under Actual Field Conditions in Soybeans in Indiana	44295047	Valent U.S.A. Corporation		
164-1	Soil Dissipation of Phenyl-14C-Flumioxazin Under Field Conditions in North Carolina	44295043	Valent U.S.A. Corporation		
164-1	Terrestrial Field Dissipation of Flumioxazin in Established Walnuts	45375502	Valent U.S.A. Corporation		
164-1	Terrestrial Field Dissipation Study with V-53482 WP Herbicide On No-Till Ground in Illinois	44295044	Valent U.S.A. Corporation		

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## DATA MATRIX

Date	9/19/2008	EPA Reg No./File Symbol	59639-97	Page 24 of 44	
Applicant's/Registrant's Name & Address	Valent U.S.A. Corporation 1333 North California Blvd., Suite 600 Walnut Creek, CA 94596	Product	Flumioxazin Technical		
Ingredient: Flumioxazin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
164-1	Terrestrial Field Soil Dissipation of Chateau Herbicide (Flumioxazin) on Bare Ground in California				
165-1	A Confined Rotational Crop Study iwth [14C-THP]-V-53482 Using Lettuce, Carrots and Wheat	44295049			
165-1	A Confined Rotational Crop Study with [14C]V-53482 Using Lettuce Carrots and Wheat.	42884011	Valent U.S.A. Corporation		
165-4	Bioaccumulation in Fish of V-53482 Waiver Request.	42684910	Valent U.S.A. Corporation		
171-4	(14C)-S-53482: Metabolism in Grape Vines	45375503	Valent U.S.A. Corporation		
171-4	14C-S-53482: Nature of the Residue in Soybeans	42884012	Valent U.S.A. Corporation		
171-4	Addendum To: Magnitude of the Residues of V-53482 in Soybeans and Soybean Processing Products: Validation of the Analytical Methods for Determining Residues of V-53482 in Soybeans and Soybean Process	42884017	Valent U.S.A. Corporation		



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## DATA MATRIX

Date		9/19/2008		EPA Reg No./File Symbol	59639-97	Page 25 of 44	
Applicant's/Registrant's Name & Address				Valent U.S.A. Corporation			
				Product			
1333 North California Blvd., Suite 600 Walnut Creek, CA 94596				Flumioxazin Technical			
Ingredient: Flumioxazin							
Guideline Reference Number		Guideline Study Name		MRID Number	Submitter	Status	Note
171-4		Independent Laboratory Validation of the Regulatory Enforcement Method for the Determination of V-53482 in Soybean Seeds.		42884018	Valent U.S.A. Corporation		
171-4		Magnitude of the Residue of V-53482 in Soybeans and Soybean Processing Products		42884016	Valent U.S.A. Corporation		
171-4		Metabolism of 14C-S-53482 in Lactating Goats Definitive Study		42884013	Valent U.S.A. Corporation		
171-4		Metabolism of 14C-S-53482 in Laying Hens Definitive Study		42884014	Valent U.S.A. Corporation		
171-4		Metabolism of S-53482 in Lactating Goats. Preliminary Study			Valent U.S.A. Corporation		
171-4		Metabolism of S-53482 in Laying Hen. Preliminary Study.			Valent U.S.A. Corporation		
171-4		Residue Analytical Method for 1-OH-HPA and Its Conjugate in Soybean Forage and Hay			Valent U.S.A. Corporation		
171-4		Residue Analytical Method for 1-OH-HPA and Its Conjugate in Soybean Processing Products			Valent U.S.A Corporation		

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## DATA MATRIX

Date9/19/2008		EPA Reg No./File Symbol59639-97		Page 26 of 44	
Applicant's/Registrant's Name & AddressValent U.S.A. Corporation		Product			
1333 North California Blvd., Suite 600 Walnut Creek, CA 94596		Flumioxazin Technical			
Ingredient: Flumioxazin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
171-4	Residue Analytical Method for 1-OH-HPA and Its Conjugate in Soybean Seed - II		Valent U.S.A. Corporation		
171-4	Residue Analytical Method for S-53482 in Corn Grain.		Valent U.S.A. Corporation		
171-4	Residue Analytical Method for S-53482 in Corn Processed Commodities (II).		Valent U.S.A. Corporation		
171-4	Residue Analytical Method for S-53482 in Crops.		Valent U.S.A. Corporation		
171-4	Residue Analytical Method for S-53482 in Rice Grain and Rice Straw.		Valent U.S.A. Corporation		
171-4	Residue Analytical Method for S-53482 in Rice Processed Commodities.		Valent U.S.A. Corporation		
171-4	Residue Analytical Method for S-53482 in Soybean Forage and Seed.		Valent U.S.A. Corporation		
171-4	Residue Analytical Method for S-53482 in Soybean Hay.		Valent U.S.A. Corporation		
171-4	Residue Analytical Method for S-53482 in Soybean Processed Commodities.		Valent U.S.A. Corporation		
171-4	Validation of the Enforcement Residue Method of S-53482 in Soybean Matrices	42884015	Valent U.S.A. Corporation		

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**DATA MATRIX**

Date	9/19/2008	EPA Reg No./File Symbol	59639-97	Page 27 of 44	
Applicant's/Registrant's Name & Address		Product			
Valent U.S.A. Corporation 1333 North California Blvd., Suite 600 Walnut Creek, CA 94596		Flumioxazin Technical			
Ingredient: Flumioxazin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
171-4(a)	14C-S-53482: Nature of the Residue in Corn FIFRA Subdivision O, Guideline 171-4 (a)(2)	45375504	Valent U.S.A. Corporation		
171-4(a)	Metabolism of [14C]S-53482 in Peanut	44013001	Valent U.S.A. Corporation		
171-04(a)	Metabolism of [14C]S-53482 in Peanut	44295051	Valent U.S.A. Corporation		
171-04(b)	Metabolism of [14C-(3,4,5,6-Tetrahydro) Phthalimide] S-53482 in Laying Hens	44295050	Valent U.S.A. Corporation		
171-4(c)	Independent Laboratory Validation of the Method for Quantitation of Flumioxazin in Soil	44295042	Valent U.S.A. Corporation		
171-4(c)	Response to EPA Method Validation of Residue Method RM-30A, "Determination of Flumioxazin Residues in Crops"	43935509	Valent U.S.A. Corporation		
171-04(d)	Magnitude of Residues of 14C-S-53482 in Chicken Egg Yolks and Whites and Chicken Muscle, Fat, Liver and Kidney by Residue Enforcement Method	44295053	Valent U.S.A. Corporation		
171-04(d)	Magnitude of Residues of S-53482 in Goat Milk, Liver, Kidneys and Muscle	44295052	Valent U.S.A. Corporation		

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**DATA MATRIX**

Date	9/19/2008	EPA Reg No./File Symbol	59639-97	Page 28 of 44	
Applicant's/Registrant's Name & Address	Valent U.S.A. Corporation 1333 North California Blvd., Suite 600 Walnut Creek, CA 94596	Product	Flumioxazin Technical		
Ingredient: Flumioxazin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
171-04(e) (860.1380) (860.1500) (860.1520)	Magnitude of the Residue of Flumioxazin and Its Metabolite 1-OH-HPA in Peanuts and Peanut Processing Commodities	44295054	Valent U.S.A. Corporation		
171-04(e) (860.1380) (860.1500) (860.1520)	Magnitude of the Residue of Flumioxazin and its Metabolite 1-OH-HPA in Soybeans and Soybean Processing (6 Volumes)	44295056	Valent U.S.A. Corporation		
171-04(e) (860.1380) (860.1500) (860.1520)	Magnitude of the Residue of Flumioxazin in Peanuts	44295055	Valent U.S.A. Corporation		
860.1500 860.1520	Addendum to Magnitude of the Residue of Flumioxazin on Sugarcane and Its Processed Products	45244801	Valent U.S.A. Corporation		
860.1500	Magnitude of the Residue of Flumioxazin on Almonds	45375505	Valent U.S.A. Corporation		
860.1500 860.1520	Magnitude of the Residue of Flumioxazin on Cotton And Its Processed Products	45375506	Valent U.S.A Corporation		
860.1500 860.1520	Magnitude of the Residue of Flumioxazin on Grapes and Processed Products	45375507	Valent USA Corporation		

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## DATA MATRIX

Date		9/19/2008		EPA Reg No./File Symbol	59639-97	Page 29 of 44
Applicant's/Registrant's Name & Address				Valent U.S.A. Corporation		
				Product		
1333 North California Blvd., Suite 600				Walnut Creek, CA 94596		
				Flumioxazin Technical		
Ingredient: Flumioxazin						
Guideline Reference Number		Guideline Study Name		MRID Number	Submitter	Status
860.1500		Magnitude of the Residue of Flumioxazin on Sugarcane And Its Processed Products		45125403	Valent U.S.A. Corporation	
860.1520						
171-4(k)		Magnitude of the Residues of V-53482 in Peanuts and Peanut Processing Commodities.		44013002	Valent U.S.A. Corporation	
171-04(m)		FDA Multiresidue Method (MRM) for Testing of Flumioxazin		44295057	Valent U.S.A. Corporation	
171-7		Dietary Exposure Estimates for FLUMIOXAZIN use on Soybeans		42884019	Valent U.S.A. Corporation	
171-07		Dietary Exposure Estimates for Flumioxazin Use on Soybeans and Peanuts		44295058	Valent U.S.A. Corporation	
201-1		Atomization Droplet Size Spectra for Cotton/Soybean Herbicides		45375508	VALENT U.S.A. Corporation	
201-1		Atomization Droplet Size Spectra for Spray Drift Formulations: 1991 Field Trial Conditions		43757801	Spray Drift Task Force	
201-1		Atomization Droplet Size Spectra for Spray Drift Formulations: 1992 Field Trial Conditions		43657601	Spray Drift Task Force	

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## DATA MATRIX

Date		9/19/2008		EPA Reg No./File Symbol	59639-97	Page 30 of 44	
Applicant's/Registrant's Name & Address				Valent U.S.A. Corporation			
				Product			
1333 North California Blvd., Suite 600 Walnut Creek, CA 94596				Flumioxazin Technical			
Ingredient: Flumioxazin							
Guideline Reference Number		Guideline Study Name		MRID Number	Submitter	Status	Note
201-1		Atomization Droplet Size Spectra for Spray Drift Test Substances: 1993 Field Trial Conditions		43757802	Spray Drift Task Force		
201-1		Dynamic Surface Tension Measurement of Spray Drift Test Substances		43832101	Spray Drift Task Force		
201-1		Spray Drift Task Force: Atomization Droplet Size Spectra for Airblast Sprayers		43953001	Spray Drift Task Force		
201-1		Spray Drift Task Force Atomization Droplet Size Spectra for Nozzle and Physical Property Parameter Characterization		44100901	Spray Drift Task Force		
201-1		Spray Drift Task Force: Atomization Droplet Size Spectra for Selective Active Ingredients		43766502	Spray Drift Task Force		
201-1		Spray Drift Task Force Atomization Droplet Size Spectra of Sprinklers Used in Chemigation		43845501	Spray Drift Task Force		
202-1		1992 Spray Drift Task Force Survey of Aerial Applicators		43485601	Spray Drift Task Force		
202-1		Amended Final Report for Study Spray Drift Task Force 1992 Ground Field Study in Texas (Malathion and Diazinon)		44878601	Spray Drift Task Force		

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## DATA MATRIX

Date	9/19/2008	EPA Reg No./File Symbol	59639-97	Page 31 of 44
Applicant's/Registrant's Name & Address	Valent U.S.A. Corporation 1333 North California Blvd., Suite 600 Walnut Creek, CA 94596	Product	Flumioxazin Technical	

Ingredient: Flumioxazin

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
202-1	Background and Rationale for Physical Property Determinations on Spray Drift Test Substances	43657602	Spray Drift Task Force		
202-1	Collection Efficiency of Spray Drift Samplers	44641001	Spray Drift Task Force		
202-1	Drift from Applications with Aerial Sprayers: Integration and Summary of 1992 and 1993 Field Studies	43803501	Spray Drift Task Force		
202-1	Error Bars, Precision and Bias of Data for SDTF Aerial Field and Atomization Studies	44696901	Spray Drift Task Force		
202-1	Frozen Storage Stability of Malathion Diazinon Carbaryl and/or Acephate Residues in/on Alpha-Cellulose Polyurethane Foam Polyester String Water and Tank Mixes	44070001	Spray Drift Task Force		
202-1	HSpray Drift Task Force: Viscosity Measurements of Spray Drift Test Substance	43953002	Spray Drift Task Force		
202-1	Nozzle and Spray Classification	44640801	Spray Drift Task Force		
202-1	A Proposed Screening Level Assessment Method For Aerial Spray Drift of Pesticides	44010201	Spray Drift Task Force		
202-1	Relationship Between Physical Properties and Atomization: Integration and Summary	44747401	Spray Drift Task Force		

9/19/2008

Product: Flumioxazin Technical

Active Ingredient: Flumioxazin

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Date		9/19/2008		EPA Reg No./File Symbol	59639-97	Page 32 of 44	
Applicant's/Registrant's Name & Address				Valent U.S.A. Corporation			
				Product			
				Flumioxazin Technical			
1333 North California Blvd., Suite 600				Walnut Creek, CA 94596			
Ingredient: Flumioxazin							
Guideline Reference Number		Guideline Study Name		MRID Number	Submitter	Status	Note
202-1		Response by SDTF to Scientific Advisory Panel Review Issues for Aerial Studies and AgDrift Model		44763001	Spray Drift Task Force		
202-1		Spray Drift Task Force 1991 Aerial Field Study in Mississippi		42565901	Spray Drift Task Force		
202-1		Spray Drift Task Force: 1992 Aerial Field Study in Texas: Amendment to Final Report		43665402	Spray Drift Task Force		
202-1		Spray Drift Task Force: 1992 Aerial Field Study in Texas: Malathion - Diazinon		43254001	Spray Drift Task Force		
202-1		Spray Drift Task Force 1992 Ground Field Study in Texas		43493801	Spray Drift Task Force		
202-1		Spray Drift Task Force: 1993 Cool Season Aerial Field Study in Texas		43535801	Spray Drift Task Force		
202-1		Spray Drift Task Force 1993 Ground Field Study in Texas		43493802	Spray Drift Task Force		
202-1		Spray Drift Task Force: 1993 Hot Humid Aerial Field Study in Texas		43535802	Spray Drift Task Force		
202-1		Spray Drift Task Force: 1993 Hot Humid Aerial Field Study in Texas: Amended Final Report		43665401	Spray Drift Task Force		



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Date	9/19/2008	EPA Reg No./File Symbol	59639-97	Page 33 of 44	
Applicant's/Registrant's Name & Address	Valent U.S.A. Corporation 1333 North California Blvd., Suite 600 Walnut Creek, CA 94596	Product	Flumioxazin Technical		
Ingredient: Flumioxazin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
202-1	Spray Drift Task Force: 1993 Orchard Airblast Study in California	43766504	Spray Drift Task Force		
202-1	Spray Drift Task Force 1994 Field Chemigation Study	43845901	Spray Drift Task Force		
202-1	Spray Drift Task Force: 1994 Orchard Airblast Field Study on Citrus in Florida	43832102	Spray Drift Task Force		
202-1	Spray Drift Task Force: 1994 Orchard Airblast Field Study on Pecans in Georgia	43781101	Spray Drift Task Force		
202-1	Spray Drift Task Force: Atomization Droplet Size Spectra of Critical Parameter Range Finding Substances	43766501	Spray Drift Task Force		
202-1	Spray Drift Task Force Droplet Evaporation of Spray Drift Test Substances	44134101	Spray Drift Task Force		
202-1	Spray Drift Task Force Field Testing Protocol and Techniques	44178701	Spray Drift Task Force		
202-1	Spray Drift Task Force Interviews of Growers Who Use Orchard Airblast Sprayers	43485602	Spray Drift Task Force		
202-1	Spray Drift Task Force Miscellaneous Nozzle Study	44310401	Spray Drift Task Force		
202-1	Spray Drift Task Force Model Sensitivity Analysis	42608401	Spray Drift Task Force		

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## DATA MATRIX

Date		9/19/2008		EPA Reg No./File Symbol	59639-97	Page 34 of 44
Applicant's/Registrant's Name & Address				Valent U.S.A. Corporation		
				1333 North California Blvd., Suite 600 Walnut Creek, CA 94596		
Product				Flumioxazin Technical		
Ingredient: Flumioxazin						
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note	
202-1	String Collectors for Assessing Spray Drift	43766503	Spray Drift Task Force			
202-1	Wind Tunnel Simulations of Aerial Sprays	44640901	Spray Drift Task Force			
231	Exposure Assessment for V-53482 WP Herbicide.	43901401	Valent U.S.A. Corporation			
	Product Identity and Composition of Valor® Herbicide (VC-1420 formulation); Description of Materials Used to Produce the Product Valor® Herbicide (VC-1420 formulation); Description of Production Process for Valor® Herbicide (VC-1420 formulation); Description of Formulation Process for Valor® Herbicide (VC-1420 formulation); Discussion of Formation of Impurities for Valor® Herbicide (VC-1420 formulation) Preliminary Analysis of Valor® Herbicide (VC-1420 formulation); Certified Limits for Valor® Herbicide (VC-1420 formulation); Enforcement Analytical Method for Valor® Herbicide; Submittal of Samples for Valor® Herbicide (VC-1420 formulation)					
830.7050	UV/VIS Absorption of Flumioxazin	44295004	Valent U.S.A. Corporation			

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**DATA MATRIX**

Date	9/19/2008	EPA Reg No./File Symbol	59639-97	Page 35 of 44
Applicant's/Registrant's Name & Address	Valent U.S.A. Corporation 1333 North California Blvd., Suite 600 Walnut Creek, CA 94596	Product	Flumioxazin Technical	
Ingredient: Flumioxazin				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status Note
	Terrestrial Field Soil Dissipation of Chateau Herbicide (Flumioxazin) on Bare Ground in Illinois			
	Terrestrial Field Soil Dissipation of Flumioxazin (Chateau WDG) on Bare Ground in Ontario, Canada			
840.1200	AgDrift Tiered Assesment Model to Evaluate Spray Drift During Agricultural	46274901	Spray Drift Task Force	
860.1300	Nature of the Residue: Metabolism of [Phenyl-14C]Flumioxazin and [THP-14C]Flumioxazin in Sugarcane	45888501	Valent U.S.A. Corporation	
860.1300	Nature of the Residues: Metabolism of [Phenyl-14C]Flumioxazin and [THP-14C]Flumioxazin in Apple	45888502	Valent U.S.A. Corporation	
860.1340	Determination of Flumioxazin Residues in Crops, Valent Method No. RM-30A-3	45914603	Valent U.S.A. Corporation	
860.1340(c)(6)	Independant Laboratory Validation of Method GPL-MTH-064 for the Determination of Flumioxazin and its APF and 482-HA Metabolites in Pond Water and Pond Sediment		Valent U.S.A. Corporation	

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## DATA MATRIX

Date	9/19/2008	EPA Reg No./File Symbol	59639-97	Page 36 of 44	
Applicant's/Registrant's Name & Address	Valent U.S.A. Corporation 1333 North California Blvd., Suite 600 Walnut Creek, CA 94596	Product	Flumioxazin Technical		
Ingredient: Flumioxazin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1340(c)(6)	Independent Laboratory Validation of Method GPL-MTH-066 for the Determination of Flumioxazin and its APF and 482-HA Metabolites in Fish		Valent U.S.A. Corporation		
860.1400	Magnitude of Residue of Flumioxazin in Fish		Valent U.S.A. Corporation		
860.1400 860.1000	Aquatic Dissipation of Flumioxazin in Iowa and Florida During 2007, Valent Project Number VP-32001		Valent U.S.A. Corporation		
860.1480	Flumioxazin: A Proposal for Conducting a Cow Feeding Study		Valent U.S.A. Corporation		
860.1480	Magnitude of the Residues of Flumioxazin in Dairy Cattle Milk and Meat	46889603	Valent U.S.A. Corporation		
860.1500 860.1520	Magnitude of the Residues of Flumioxazin in Apples and Apple Processing Products	46229403	Valent U.S.A. Corporation		
860.1500	Magnitude of the Residues of Flumioxazin in Cherries	46229404	Valent U.S.A. Corporation		
860.1500	Magnitude of the Residues of Flumioxazin in Peaches	46229405	Valent U.S.A. Corporation		
860.1500	Magnitude of the Residues of Flumioxazin in Pears	46229406	Valent U.S.A. Corporation		

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## DATA MATRIX

Date	9/19/2008	EPA Reg No./File Symbol	59639-97	Page 37 of 44	
Applicant's/Registrant's Name & Address		Product			
Valent U.S.A. Corporation 1333 North California Blvd., Suite 600 Walnut Creek, CA 94596		Flumioxazin Technical			
Ingredient: Flumioxazin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Magnitude of the Residues of Flumioxazin in Plums and It's Processed Product	46229407	Valent U.S.A. Corporation		
860.1520	Magnitude of the Residues of Flumioxazin on Alfalfa	46889604	Valent U.S.A. Corporation		
	Magnitude of the Residues of Flumioxazin on Field Corn - Volume 1	47184801	Valent U.S.A. Corporation		
	Magnitude of the Residues of Flumioxazin on Field Corn - Volume 2	47184801	Valent U.S.A. Corporation		
875 Series	Determination of Dermal & Inhalation exposure to Workers During On-Farm Application of a Dry Hopper Box Pesticide Treatment to Seed, & Planting of Treated Seed / using Orthene 75 S Soluble Powder	46634103	Agricultural Handlers Exposure Task Force (AHETF)		
875.1100 875.1300	Determination of Dermal and Inhalation Exposure to Workers During Application of a Liquid Pesticide Product by Open Cab Airblast Application to Orchard Crops	46448201	Agricultural Handlers Exposure Task Force (AHETF)		

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## DATA MATRIX

Date		9/19/2008		EPA Reg No./File Symbol	59639-97	Page 38 of 44	
Applicant's/Registrant's Name & Address				Valent U.S.A. Corporation			
				1333 North California Blvd., Suite 600 Walnut Creek, CA 94596			
Product				Flumioxazin Technical			
Ingredient: Flumioxazin							
Guideline Reference Number		Guideline Study Name		MRID Number	Submitter	Status	Note
875.1100 875.1300		Determination of Dermal and Inhalation Exposure to Workers During Application of a Liquid Pesticide Product by Open Cab Airblast Application to Orchard Crops - Amended Report		46634102	Agricultural Handlers Exposure Task Force (AHETF)		
875.1100 875.1300		Determination of Dermal and Inhalation Exposure to Workers During Closed-System Loading and ULV Application of a Liquid Pesticide Product to Cotton		46634105	Agricultural Handlers Exposure Task Force (AHETF)		
875.1100 875.1300		Determination of Dermal and Inhalation Exposure to Workers During On-Farm Application of a Dry Hopper Box Pesticide Treatment to Seed, & Planting of Treated Seed		46634103	Agricultural Handlers Exposure Task Force (AHETF)		
875.1100 875.1300		Handlers Exposure Assessment and Potential Risk of Valor WDG Herbicide Applied By Air in The Burndown Program in Cotton, Soybean and Sugarcane		45375509	Valent U.S.A. Corporation		
875.1100 875.1300		Handlers Exposure Assessment and Potential Risk of Valor™ WDG Herbicide Applied to Sugarcane		45125402	Valent U.S.A. Corporation		

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## DATA MATRIX

Date	9/19/2008	EPA Reg No./File Symbol	59639-97	Page 39 of 44
Applicant's/Registrant's Name & Address	Valent U.S.A. Corporation 1333 North California Blvd., Suite 600 Walnut Creek, CA 94596	Product	Flumioxazin Technical	
Ingredient: Flumioxazin				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status Note
875.110 875.1300	Validation of a Method for the Analysis of Malathion & Diazinon in Sock Matrix	46634106	Agricultural Handlers Exposure Task Force (AHETF)	
875.1100 875.1300	Validation of AHETF Method AHETF-AM-006, Determination of Carbaryl in Sock Samples"	46448202	Agricultural Handlers Exposure Task Force (AHETF)	
875.1100 875.1300	Validation of Methods for the Analysis of Exposure Matrices for Acephate	46634101	Agricultural Handlers Exposure Task Force (AHETF)	
NONE	Acute and Chronic Dietary Exposure Analyses for Flumioxazin	46229408	Valent U.S.A. Corporation	
	Acute and Chronic Dietary (Food and Drinking Water) Exposure Analyses for Flumioxazin in/on Tuberous and Corm Vegetables, Fruiting Vegetables, Cucurbit Vegetables, Bulb Vegetables, Pome Fruits, Stone Fruits, Bush Berries, Tree Nuts, Soybeans, Dried Shelled Peas and Beans, Cottonseed Oil, Grape, Peanut, Mint, Strawberry, Asparagus, Sugarcane, Pistachio, Meat, Poultry, and Dairy Products	46889602	Valent U.S.A. Corporation	
NONE	Chronic and Acute Dietary Exposure Analyses: Flumioxazin	45375510	Valent U.S.A. Corporation	

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Applicant's/Registrant's Name & Address	Valent U.S.A. Corporation 1333 North California Blvd., Suite 600 Walnut Creek, CA 94596	Product	Flumioxazin Technical	
Ingredient: Flumioxazin				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status Note
	Flumioxazin - Summary of Data and Application to Support an Experimental Use Permit for Use of Flumioxazin 51 WDG for the Control of Aquatic Weeds	46683301	Valent U.S.A. Corporation	
	Flumioxazin - Summary of Data and Tolerance Petition Supporting Use on Alfalfa	46889601	Valent U.S.A. Corporation	
NONE	Flumioxazin - Summary of Data and Tolerance Petition Supporting: Use on Cotton, Almonds, Grapes, Christmas Trees, Deciduous Trees and Container and Field Grown Ornamental Plants; Registration of Chateau WDG Herbicide on Almonds and Grapes, SureGuard Herbicide on Christmas and Deciduous Trees, and Broadstar Herbicide on Container and Field Grown Ornamental Plants; Amendment To Registration of Valor(TM) Herbicide To Add Cotton To The Label	Administrative Material	Valent U.S.A. Corporation	
	Flumioxazin - Summary of Data and Tolerance Petition Supporting Use on Field Corn	Admin	Valent U.S.A. Corporation	



9/19/2008

Product: Flumioxazin Technical

Active Ingredient: Flumioxazin

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Applicant's/Registrant's Name & Address	Valent U.S.A. Corporation 1333 North California Blvd., Suite 600 Walnut Creek, CA 94596	Product	Flumioxazin Technical		
Ingredient: Flumioxazin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
NONE	Flumioxazin--Summary of Data and Tolerance Petition Supporting Use on Sugarcane and Registration of Valor™ WDG Herbicide		Valent U.S.A. Corporation		
NONE	Flumioxazin - Supplemental Information: Statutory Findings and Information Summaries To Comply With The Food Quality Protection Act Of 1996 In Support Of Registration and Tolerances on Almonds, Cotton, Grapes, Peanuts, Soybeans, And Sugarcane	45375511	Valent U.S.A. Corporation		
NONE	Flumioxazin -- Supplemental Information: Statutory Findings and Information Summaries to Comply with the Food Quality Protection Act of 1996 in Support of Registration and Tolerances on Soybeans, Peanuts and Sugarcane	415125401	Valent U.S.A. Corporation		

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Applicant's/Registrant's Name & Address				Valent U.S.A. Corporation		
				1333 North California Blvd., Suite 600 Walnut Creek, CA 94596		
Product				Flumioxazin Technical		
Ingredient: Flumioxazin						
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note	
NONE	Food Quality Protection Act (FQPA) Supplemental Information Document to Support the Registrations of Flumioxazin Technical and V-53482 WP and WDG Herbicides	Not Assigned	Valent U.S.A. Corporation			
NONE	Henry's Law Constant for Flumioxazin	45375512	Valent U.S.A. Corporation			
NONE	Inhibition of Protoporphyrinogen Oxidase Activity by Flumioxazin in Rat, Mouse and Dog Liver	45142301	Valent U.S.A. Corporation			
NONE	Mechanism of Interspecies Differences in Hematotoxicity of Flumioxazin by Dietary Administration in Rats and Mice	45142302	Valent U.S.A. Corporation			
NONE	Mechanism of Interspecies Differences in Hematotoxicity of Flumioxazin by Oral Administration in Dogs	45142303	Valent U.S.A. Corporation			
NONE	Rebuttal to EPA Data Evaluation Report for Soil Dissipation Studies		Valent U.S.A. Corporation			
NONE	Rebuttal to the EPA Data Evaluation Report for Soil Dissipation Studies Follow Up Report		Valent U.S.A. Corporation			
NONE	Reduced-Risk Petition - V-53482 WP and WDG Herbicides	Not Assigned	Valent U.S.A. Corporation			

9/19/2008

Product: Flumioxazin Technical

Active Ingredient: Flumioxazin

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Applicant's/Registrant's Name & Address	Valent U.S.A. Corporation 1333 North California Blvd., Suite 600 Walnut Creek, CA 94596	Product	Flumioxazin Technical		

Ingredient: Flumioxazin

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
NONE	Summary of Additional Data Submitted to Support an Experimental Use Permit for V-53482 WP Herbicide and Temporary Tolerance for Flumioxazin.	Not Assigned	Valent U.S.A. Corporation		
NONE	Summary of Data and Application Submitted to Support an Experimental Use Permit on Peanuts for V-53482 Herbicide and Temporary Tolerance for Flumioxazin (V-53482)	Not Assigned	Valent U.S.A. Corporation		
NONE	Summary of Data and Application to Support an Experimental Use Permit for V-53482 WP Herbicide and Temporary Tolerance for Flumioxazin (V-53482)	Not Assigned	Valent U.S.A. Corporation		
NONE	Summary of Data Submitted for Flumioxazin Technical and V-53482 WP and WDG Herbicides Registrations and Flumioxazin Tolerance Petition	Not Assigned	Valent U.S.A. Corporation		
NONE	Tank Mix Stability of Flumioxazin in Water Dispersions of V-53482 WP Herbicide				

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Product: Flumioxazin Technical

Active Ingredient: Flumioxazin

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Ingredient: Flumioxazin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
NONE	Tier One Chronic and Acute Dietary Exposure Analyses for Flumioxazin on Peanuts, Soybeans, and Sugarcane	45125404	Valent U.S.A. Corporation		
NONE	V-53482 50 WP Herbicide: Soybeans EUP Permit #59639-EUP-118		Valent U.S.A. Corporation		
Signature	<i>Daniel P Fay</i>		Name and Title	Date 9/19/2008	
			DANIEL P. FAY, TECH. OPERATIONS MGR.		

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